Microwave oven

User manual

MS32J5133B*/MS40J5133CT

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Important safety instructions

Congratulations on your new Samsung microwave oven. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your microwave oven's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your microwave oven.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

A. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

B. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on the sealing surface.

C. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
- **1)** Door (bent),
- **2)** Hinges and latches, (broken or loosened),
- **3)** Door seals and sealing surface.

D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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Important safety instructions

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

⚠ WARNING

Hazards or unsafe practices that may result in **severe personal injury or death**.

⚠ CAUTION

Hazards or unsafe practices that may result in **minor personal injury or property damage**.

⚠ CAUTION

To reduce the risk of fire, explosion, electric shock, or personal injury when using your microwave oven, follow these basic safety precautions.

	Do NOT attempt.		Unplug the power plug from the wall socket.
	Do NOT disassemble.		Make sure the machine is grounded to prevent electric shock.
	Do NOT touch.		Call the service center for help.
	Follow directions explicitly.		Note

These warning signs are here to prevent injury to you and others. Please follow them explicitly. After reading this section, keep it in a safe place for future reference.

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When using any electrical appliance, basic safety precautions should be followed, including the following:

⚠ WARNING

To reduce risk of burns, electric shock, fire, personal injury or exposure to excessive microwave energy:

1. Read all safety instructions before using the appliance.
2. Read and follow the specific “Precautions to avoid possible exposure to excessive microwave energy” on page 3.
3. This appliance must be grounded. Connect only to properly grounded outlets. See Important “Grounding instructions” on page 7 of this manual.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers (for example, closed glass jars) can explode if heated rapidly. Never heat them in a microwave oven.
6. Use this appliance only for its intended use as described in the manual. Do not put corrosive chemicals or vapors in or on this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when it is used by children. Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be repaired or serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not tamper with or make any adjustments or repairs to the door.
12. Do not store this appliance outdoors. Do not use this product near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
13. Do not immerse the cord or plug in water.
14. Keep the cord away from heated surfaces. (including the back of the oven).
15. Do not let the cord hang over edge of table or counter.

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Important safety instructions

16. When cleaning surfaces of the door and oven that come together when the door closes, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth. Unplug the plug before cleaning.

17. To reduce the risk of fire in the oven cavity:

18. Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.

19. Remove wire twist-ties from paper or plastic bags before placing the bags in the oven.

20. If materials inside the oven ignite, keep the oven door closed, turn the oven off, and disconnect the power cord, or shut off the power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.

21. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.

22. Liquids, such as water, milk, coffee, or tea can be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury:

23. Do not overheat liquid.

24. Stir liquid both before and halfway through heating it.

25. Do not use straight-sided containers with narrow necks.

26. After heating, allow the container to stand in the microwave oven for a short time before removing the container.

27. Use extreme care when inserting a spoon or other utensil into the container.

28. Oversized foods or oversized metal utensils should not inserted in microwave / toaster oven as they may create a fire of electric shock.

29. Do not clean with metal scouring pads. Piece can burn off the pad and touch electrical parts involving a risk of electric shock.

30. Do not use paper products when appliance is operated in the toaster mode.

31. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.

32. Do not cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.

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⚠ CAUTION

1. Over The Range model Only
   - Clean Ventilating Hoods Frequently - Grease should not be allowed to accumulate on the hood of the filter.
   - When flaming foods under the hood, turn the fan on.
   - Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaner, may damage the filter.
2. Push Button type model Only
   - Pre-caution for safe use to avoid possible exposure to excessive micro oven energy : Do not attempt to pull any part of the door by hand to open the door. Open the door only utilizing the push button located at front-right-bottom side.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This appliance is equipped with a cord that includes a grounding wire and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

⚠ WARNING

Improper use of the grounding plug can result in a risk of electric shock.

- Plug into a grounded 3 prong outlet. Do not remove the third (grounding) prong. Do not use an adaptor or otherwise defeat the grounding plug.
- Consult a qualified electrician or service person if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.
- We do not recommend using an extension cord with this appliance. If the power-supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance. However, if it is necessary to use an extension cord, read and follow the “Use of Extension Cords” section below.

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Important safety instructions

USE OF EXTENSION CORDS

A short power-supply cord is provided to reduce the risk of your becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and you can use them if you exercise care. If you use a long cord or extension cord:

1. The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
2. The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet.
3. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally. If you use an extension cord, the interior light may flicker and the speed of the blower may vary when the microwave oven is on. Cooking times may be longer too.

⚠ CRITICAL INSTALLATION WARNINGS

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to have a qualified technician install the oven may result in electric shock, fire, an explosion, problems with the product, or injury.

Unpack the oven, remove all packaging material and examine the oven for any damage such as dents on the interior or exterior of the oven, broken door latches, cracks in the door, or a door that is not lined up correctly. If there is any damage, do not operate the oven and notify your dealer immediately.

Make sure to install your oven in a location with adequate space.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in electric shock or fire.

Plug the power cord into a properly grounded 3 pronged outlet. Your oven should be the only appliance connected to this circuit.

- Sharing a wall socket with other appliances, using a power strip, or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- Ensure that the voltage, frequency and current provided match the product's specifications. Failing to do so may result in electric shock or fire.

Keep all packaging materials out of the reach of children. Children may use them for play.

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This appliance must be properly grounded. Read and follow the specific “Grounding instructions” found in the beginning of this Section. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- This may result in electric shock, fire, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is grounded in accordance with local and national codes.

Do not cut or remove the third (ground) prong from the power cord under any circumstances.

Connect the oven to a 20A circuit. If you connect the oven to a 15A circuit, make sure that the circuit breaker is operable.

Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain drops).

- This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in electric shock or fire.

Do not mount over a sink.

Do not pull or excessively bend the power cord.

Do not twist or tie the power cord.

Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

Do not pull the power cord when you unplug the oven.

- Unplug the oven by pulling the plug only.
- Faili ng to do so may result in electric shock or fire.

When the power plug or power cord is damaged, contact your nearest service center for a replacement or repair.

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Important safety instructions

⚠ INSTALLATION CAUTIONS

Position the oven so that the plug is easily accessible.

- Failing to do so may result in electric shock or fire due to electric leakage.

Unplug the oven when it is not being used for long periods of time or during a thunder/lightning storm.

- Failing to do so may result in electric shock or fire.

⚠ CRITICAL USAGE WARNINGS

If the microwave appliance is flooded, please contact your nearest service center. Failing to do so may result in electric shock or fire.
Read and follow the specific “Precautions to Avoid Possible Exposure to Excessive Mic rowave Energy”, found in the beginning of this Safety Information Section.
If the microwave generates a strange noise, a burning smell or smoke, unplug it immediately and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

In the event of a gas leak (propane gas, LP gas, etc.), ventilate the room immediately. Do not touch the microwave, power cord, or plug.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Take care that the door or any of the other parts do not come into contact with your body while cooking or just after cooking.

- Failing to do so may result in burns.

In the event of a grease fire on the surface units below the oven, smother the flaming pan on the surface unit by covering the pan completely with a lid, a cookie sheet, or a flat tray. Never leave surface units beneath your oven unattended at high heat settings. Boil overs cause smoking and greasy spillovers that may ignite and spread if the vent fan is operating. To minimize automatic fan operation, use adequate sized cookware and use high heat on surface units only when necessary.
If materials inside the oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.

- Always observe Safety Precautions when using your oven. Never try to repair the oven on your own. There is dangerous voltage inside. If the oven needs to be repaired, contact an authorized service center near you.

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Do not attempt to repair, disassemble, or modify the appliance yourself.
- Because a high voltage current enters the product chassis during operation, opening the chassis can result in electric shock or fire.
- You may be exposed to electromagnetic waves.
- When the oven requires repair, contact your nearest service center.

If any foreign substance such as water enters the microwave, unplug it and contact your nearest service center.
- Failing to do so may result in electric shock or fire.

Do not touch the power plug with wet hands.
- This may result in electric shock.

Do not turn the appliance off by unplugging the power plug while the appliance is in operation.
- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children. Packaging materials can be dangerous to children.
- If a child places a bag over its head, the child can suffocate.

Do not let children or any person with reduced physical, sensory or mental capabilities use this appliance unsupervised. Make sure that the appliance is out of the reach of children.
- Failing to do so may result in electric shock, burns or injury.

Do not touch the inside of the appliance immediately after cooking. The inside of the appliance will be hot.
- The heat on the inside of the oven can cause burns.

Do not put aluminum foil (except as specifically directed in this manual), metal objects (such as containers, forks, etc.) or containers with golden or silver rims into the microwave.
- These objects can cause sparks or a fire.

Do not use or place flammable sprays or objects near the oven.
- Heat from the microwave can cause flammable sprays to explode or burn.
- Failing to do so may result in electric shock or injury.

Do not tamper with or make any adjustments or repairs to the door. Under no circumstances should you remove the outer cabinet.

Do not store or use the oven outdoors.

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Important safety instructions

USAGE CAUTIONS

If the surface of the microwave is cracked, turn it off.
- Failing to do so may result in electric shock.

Dishes and containers can become hot. Handle with care.
Hot foods and steam can cause burns. Carefully remove container coverings, directing steam away from your hands and face.
Remove lids from baby food before heating. After heating baby food, stir well to distribute the heat evenly. Always test the temperature by tasting before feeding the baby. The glass jar or surface of the food may appear to be cooler than the food in the interior, which can be so hot that it will burn the infant's mouth.
Make sure all cookware used in the oven is suitable for microwaving.
Use microwavable cookware in strict compliance with such manufacturer's recommendations.

Do not stand on top of the microwave or place objects (such as laundry, oven covers, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- Items, such as a cloth, may get caught in the door.
- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.
- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not place the appliance over a fragile object such as a sink or glass object.
- This may result in damage to the sink or glass object.

Do not put your face or body close to the appliance while cooking or when opening the door just after cooking.
- Take care that children do not come too close to the appliance.
- Failing to do so may result in children burning themselves.

Do not place food or heavy objects over the door when opening the door.
- The food or object may fall and this may result in burns or injury.

Do not abruptly cool the door, the inside of the appliance, or the dish by pouring water over it during or just after cooking.
- This may result in damage to the appliance. The steam or water spray may result in burns or injury.

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Do not cook without the glass tray in place on the oven floor. Food will not cook properly without the tray.

Do not defrost frozen beverages in narrow-necked bottles. The containers can break.

Do not scratch the glass of the oven door with a sharp object.

- This may result in the glass being damaged or broken.

Do not store anything directly on top of the appliance when it is in operation.

Do not use sealed containers. Remove seals and lids before use. Sealed containers can explode due to buildup of pressure even after the oven has been turned off.

⚠ CRITICAL CLEANING INSTRUCTIONS

Do not clean the appliance by spraying water directly onto it.

Do not use benzene, thinner, or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock, or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket and remove food waste from the door and cooking compartment.

- Failing to do so may result in electric shock or fire.

Take care not to hurt yourself when cleaning the appliance.
(external/internal)

- You may hurt yourself on the sharp edges of the appliance.

Do not clean the appliance with a steam cleaner.

- This may result in corrosion.

Keep the inside of the oven clean. Food particles or spattered oils stuck to the oven walls or floor can cause paint damage and reduce the efficiency of the oven.

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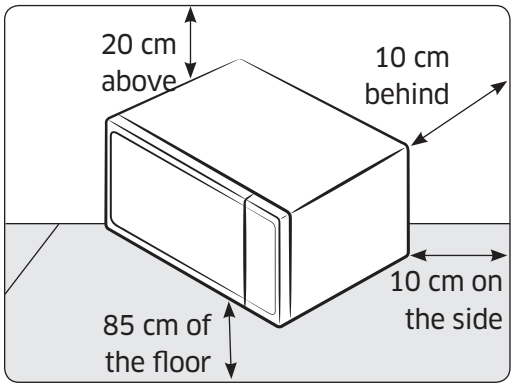
Important safety instructions

INSTALLING YOUR MICROWAVE OVEN

Place the oven on a flat level surface 85 cm above the floor. The surface should be strong enough to safety bear the weight of the oven.

☛ **NOT FOR BUILT-IN INSTALLATION**

1. When you install your oven, make sure there is adequate ventilation for your oven by leaving at least 10 cm (4 inches) of space behind and, on the sides of the oven and 20 cm (8 inches) of space above.
2. Remove all packing materials inside the oven.
3. Install the roller ring and turntable. Check that the turntable rotates freely. (Turntable type model only)



4. This microwave oven has to be positioned so that plug is accessible.

☛ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. For your personal safety, plug the cable into a proper AC earthed socket.

☛ Do not install the microwave oven in hot or damp surroundings like next to a traditional oven or radiator. The power supply specifications of the oven must be respected and any extension cable used must be of the same standard as the power cable supplied with the oven. Wipe the interior and the door seal with a damp cloth before using your microwave oven for the first time.

CLEANING THE TURNTABLE AND ROLLER RINGS

Clean the roller rings periodically and wash the turntable as required. You can wash the turntable safely in your dishwasher.

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STORING AND REPAIRING YOUR MICROWAVE OVEN

If you need to store your microwave oven for a short or extended period of time, choose a dust-free, dry location. Dust and dampness may adversely affect the microwave parts.

- ⚠ Do not repair, replace or service any part of your microwave oven yourself. Allow only a qualified service technician to perform repairs. If the oven is faulty and needs servicing, or you are in doubt about its condition, unplug the oven from the power outlet and contact your nearest service center.
- Do not use the oven if it is damaged, in particular, if the door or door seals are damaged. Door damage includes a broken hinge, a worn out seal, or distorted/bent casing.
- Do not remove the oven from its casing.
- This microwave oven is for home use only and is not intended for commercial use.

SAVE THESE INSTRUCTIONS

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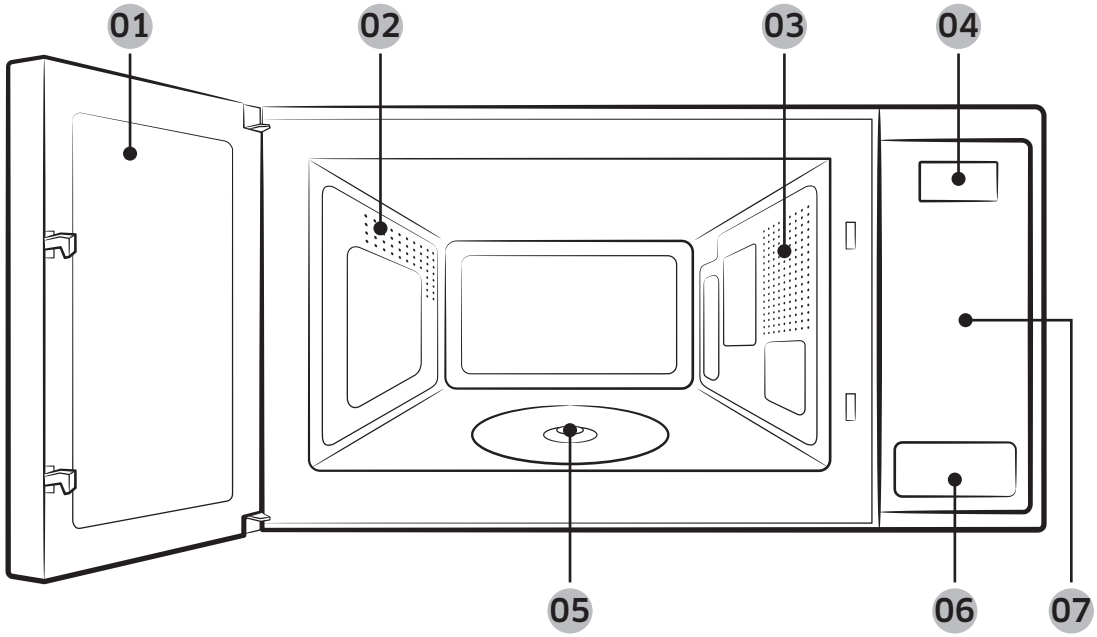
Installation

What's included

Make sure all parts and accessories are included in the product package. If you have a problem with the oven or accessories, contact a local Samsung customer centre or the retailer.

Oven at a glance



01 Door
02 Vent
03 Oven light
04 Display
05 Coupler
06 Open (door)
07 Feature panel

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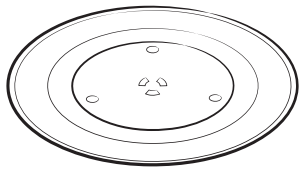
Accessories

The oven comes with different accessories that help you prepare different types of food.

Roller ring



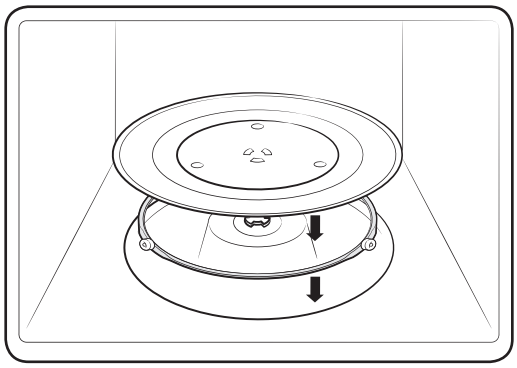
Turntable

Roller ring	Put in the centre of the base. It supports the turntable.
Turntable	Put on the roller ring with the centre fitting the coupler. It serves as a cooking base.

NOTE

- Do not operate the oven without the turntable on the roller ring.

Turntable



Remove all packing materials inside the oven.Install the roller ring and turntable. Check that the turntable rotates freely.

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Maintenance

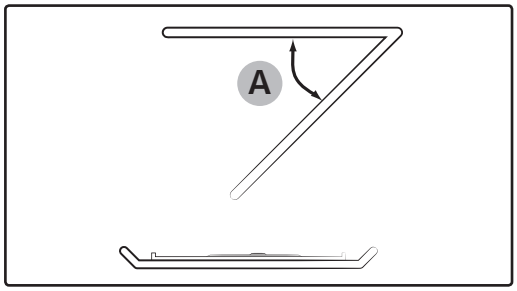
Cleaning

Clean the oven regularly to prevent impurities from building up on or inside the oven. Also pay special attention to the door, door sealing, and turntable and roller ring (applicable models only).
If the door won't open or close smoothly, first check if the door seals have built up impurities. Use a soft cloth in soapy water to clean both the inner and outer sides of the oven. Rinse and dry well.

To remove stubborn impurities with bad smells from inside the oven

1. With an empty oven, put a cup of diluted lemon juice on the centre of the turntable.
2. Heat the oven for 10 minutes at max power.
3. When the cycle is complete, wait until the oven cools down. Then, open the door and clean the cooking chamber.

To clean inside swing-heater models



To clean the upper area of the cooking chamber, lower the top heating element by 45 ° (A) as shown. This will help clean the upper area. When done, reposition the top heating element.

⚠ CAUTION

- Keep the door and door sealing clean and ensure the door opens and closes smoothly. Otherwise, the oven's lifecycle may be shortened.
- Take caution not to spill water into the oven vents.
- Do not use any abrasive or chemical substances for cleaning.
- After each use of the oven, use a mild detergent to clean the cooking chamber after waiting for the oven to cool down.

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Replacement (repair)

⚠ WARNING

This oven has no user-removable parts inside. Do not try to replace or repair the oven yourself.

- If you encounter a problem with hinges, sealing, and/or the door, contact a qualified technician or a local Samsung service centre for technical assistance.
- If you want to replace the light bulb, contact a local Samsung service centre. Do not replace it yourself.
- If you encounter a problem with the outer housing of the oven, first unplug the power cord from the power source, and then contact a local Samsung service centre.

Care against an extended period of disuse

- If you don't use the oven for an extended period of time, unplug the power cord and move the oven to a dry, dust-free location. Dust and moisture that builds up inside the oven may affect the performance of the oven.

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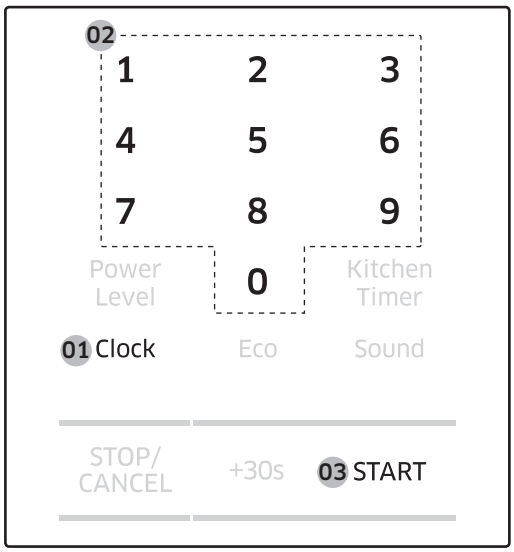
Before you start

There is some basic information that you should know before going directly to a cooking recipe. Before or during any cooking mode, you can set/change the clock or the kitchen timer to your needs.

Current time

It is important to set the correct clock time to ensure correct automatic operations.



1. Press **Clock**.
2. Use the number buttons to enter the current time. For example, press 5, 0, and 0 in sequence for 5:00 o'clock.
3. Press **START** to confirm your settings. Then, the colon (:) indicator blinks several times.

Power saving

To reduce power consumption when not using the oven, use the power saving function of the oven.

- To activate power saving, press **Eco** to turn off the display.
- To deactivate power saving, open the door or press **Eco** again. The display turns back on with the current time.

Auto power saving

- After 25 minutes of user inactivity, the oven automatically enters power saving mode. Any previous function will be cancelled, and the current time will be displayed.
- After 5 minutes of the door being open, the oven lamp will turn off.

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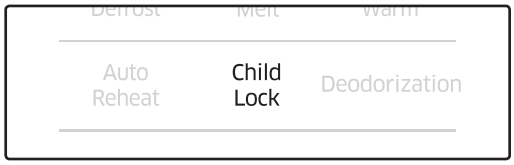
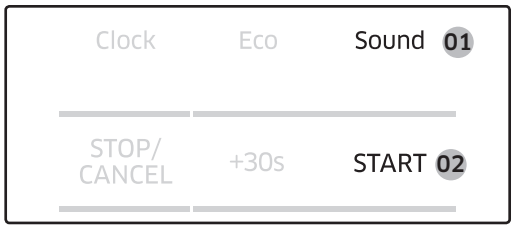
Child Lock



To prevent accidents, Child Lock disables all controls except for the Eco button.
Hold down **Child Lock** for 3 seconds to activate, or hold down for 3 seconds again to deactivate the lock on the feature panel.

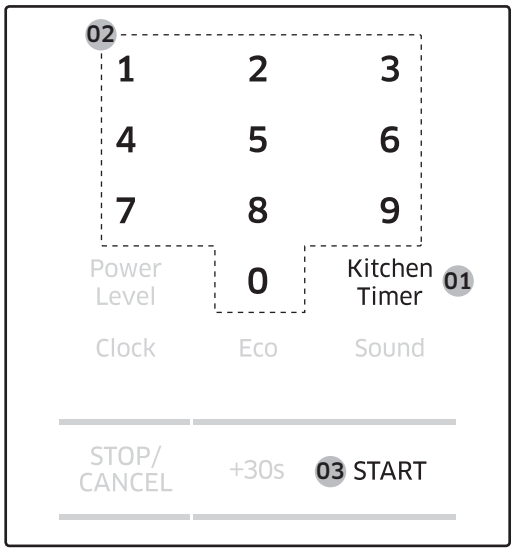
Sound On/Off



You can mute or unmute the beep or melody of the oven.

- To mute the sound, press **Sound** to show "OFF" on the display. Then, press **START**.
- To unmute the sound, press **Sound** again to show "ON" on the display. Then, press **START**.

Kitchen timer



1. Press **Kitchen Timer**.
2. Use the number buttons to set the time for your cooking.
3. Press **START**.

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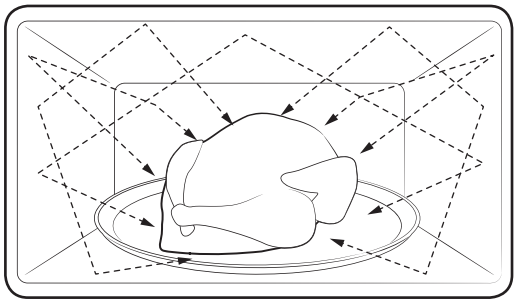
Before you start

About microwave energy

Microwaves are high-frequency electromagnetic waves. The oven uses the prebuilt magnetron to generate microwaves which are used to cook or reheat food without deforming or discolouring the food.



1. The microwaves generated by the magnetron are distributed uniformly through the whirling distribution system. This is why the food is cooked evenly.
2. The microwaves are absorbed down to the food up to a depth of approx. 2.5 cm. Then, the microwaves are dissipated inside the food as cooking continues.
3. The cooking time is affected by the following conditions of the food.
   - Quantity and density
   - Moisture content
   - Initial temperature (especially, when frozen)

NOTE

The cooked food keeps heat in its core after cooking is complete. This is why you must respect the standing time specified in this manual, which ensures cooking evenly down to the core.

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Cookware for microwave

Cookware used for Microwave Mode must allow microwaves to pass through and penetrate food. Metals such as stainless steel, aluminum and copper reflect microwaves. Therefore, do not use cookware made of metallic materials. Cookware marked microwave - safe is always safe for use. For additional information on appropriate cookware refer to the following guide and place a glass of water or some food on the turntable.

Requirements:

- Flat bottom and straight sides
- Tight-fitting lid
- Well-balanced pan with handles that weigh less than the main pan

Material		Microwave-safe	Description
Aluminium foil		△	Use for a small serving size to protect against overcooking. Arcing can occur if the foil is near the oven wall or if using an excessive amount of foil.
Crusty plate		○	Do not use for preheating for more than 8 minutes.
Bone china or earthenware		○	Porcelain, pottery, glazed earthenware and bone china are usually microwave-safe, unless decorated with a metal trim.
Disposable polyester cardboard dishes		○	Some frozen foods are packaged in these dishes.
Fast-food packaging	Polystyrene cups or containers	○	Overheating may cause these to melt.
	Paper bags or newspaper	×	These may catch fire.
	Recycled paper or metal trims	×	These may cause arcing

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Before you start

Material		Microwave-safe	Description
Glassware	Oven-to-table ware	○	Microwave-safe unless decorated with metal trims.
	Fine glassware	○	Delicate glassware may break or crack by rapid heating.
	Glass jars	○	Appropriate for warming only. Remove the lid before cooking.
Metal	Dishes	×	These may cause arcing or fire.
	Freezer bag with twist-ties	×	
Paper	Plates, cups, napkins, and kitchen paper	○	Use to cook for a short time. These absorb excess moisture.
	Recycled paper	×	Causes arcing.
Plastic	Containers	○	Use thermoplastic containers only. Some plastics may warp or discolour at high temperatures.
	Cling film	○	Use to maintain moisture after cooking.
	Freezer bags	△	Use boilable or ovenproof bags only.
Wax or grease-proof paper		○	Use to maintain moisture and prevent spattering.

○ : Microwave safe △ : Use caution × : Microwave unsafe

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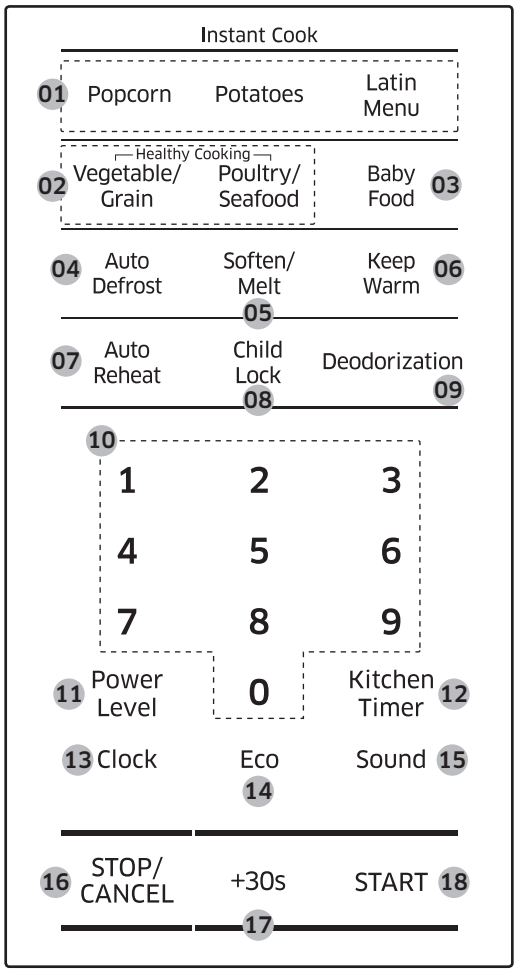
Operations

Feature panel

The front panel comes in a wide range of materials and colours. For improved quality, the actual appearance of the oven is subject to change without notice.



01	Instant Cook
02	Healthy Cooking
03	Baby Food
04	Auto Defrost
05	Soften/Melt
06	Keep Warm
07	Auto Reheat
08	Child Lock
09	Deodorization
10	Number pad
11	Power Level
12	Kitchen Timer
13	Clock
14	Eco
15	Sound
16	Stop/Cancel
17	+30s
18	Start

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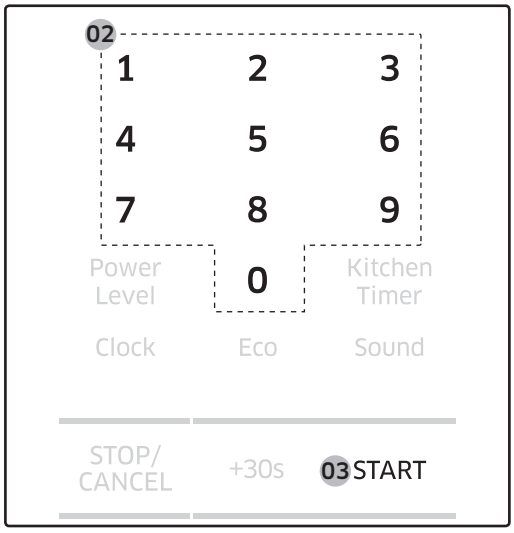
Operations

Simple steps to start

To cook food

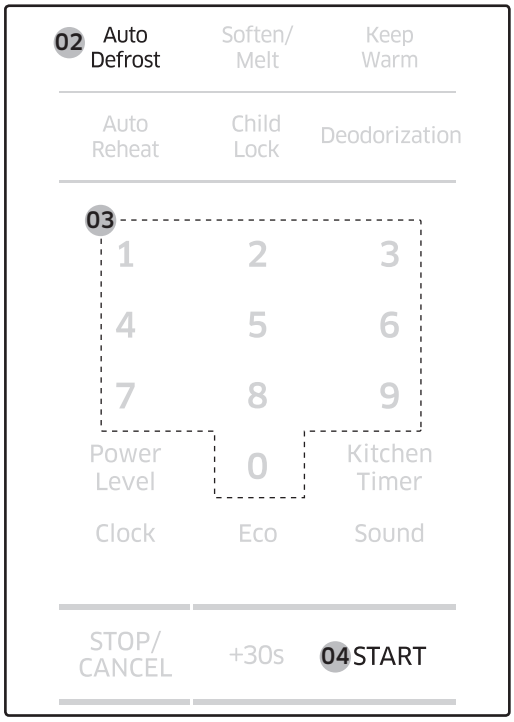


1. Put the food in a microwave-safe container and then in the centre of the turntable.
2. Use the number buttons to set the cooking time.
3. Press **START**.

NOTE

When cooking is complete, the oven beeps 4 times. Use oven gloves to take out the food.

To defrost frozen food



1. Put the frozen food in a microwave-safe container and then in the centre of the turntable.
2. Press **Auto Defrost**.
3. Use the number buttons to set the serving size.
4. Press **START**.

NOTE

For more information, see the Auto Defrost section.

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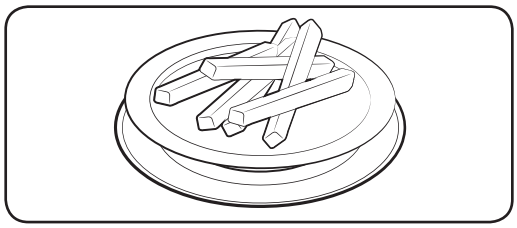
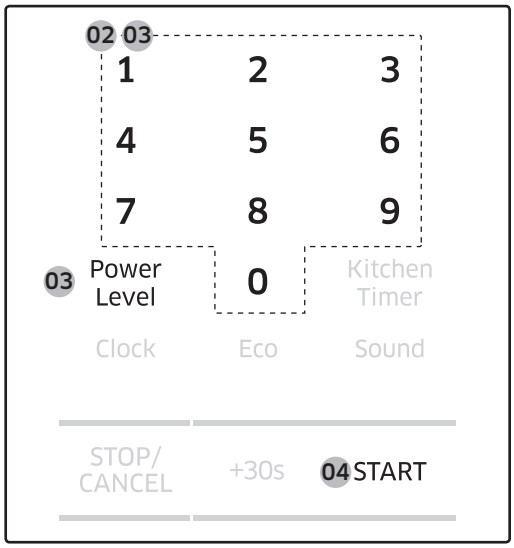
Manual mode

Microwave

This is the basic function of this microwave oven. The power level is set to High by default.



1. Put food in a microwave-safe container and then on the turntable.



2. Use the number buttons to set the cooking time (max: 99 min 99 sec). For example, press 1 and 0 for the minutes, and 0 and 0 for the seconds (10:00).
3. To change the default power level, press **Power Level** and select a different level. See the **Power level** section for details.
4. Press **START**.
5. When cooking is complete with a beep 4 times, use oven gloves to take out the food.

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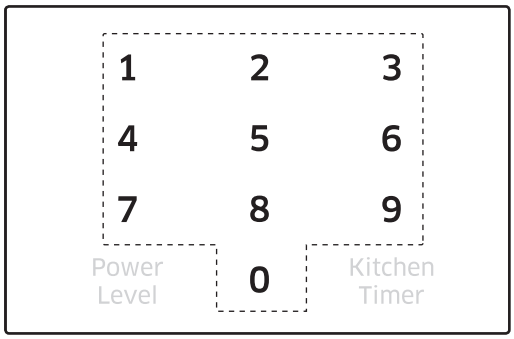
Operations

Common settings

Cooking time

Follow these steps to set or change the cooking time. By default, the power level is set to High.



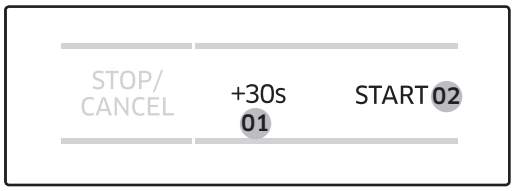
Use the number buttons to set the cooking time (max: 99 min 99 sec). The time area consists of the minute and second elements. To set a cooking time of 25 minutes, for example, press 2 and 5 for the minutes, then 0 and 0 for the seconds.

NOTE

- To change the cooking time during operation, press **STOP/CANCEL** twice, and repeat the steps above.
- To stop cooking, simply open the door, or press **STOP/CANCEL**. To resume operation, close the door and press **START**.
- To cancel cooking, press **STOP/CANCEL** twice.

Time increment

You might want to add extra time to the current cooking time while cooking is in process. Time can be added by 30 seconds.



1. Before or during cooking, press **+30s** as many times as needed. For example, to add 2 minutes to the current cooking time, press the button 4 times.
2. Press **START**. The oven continues to operate for the changed time.

NOTE

This button is not enabled with Auto mode.

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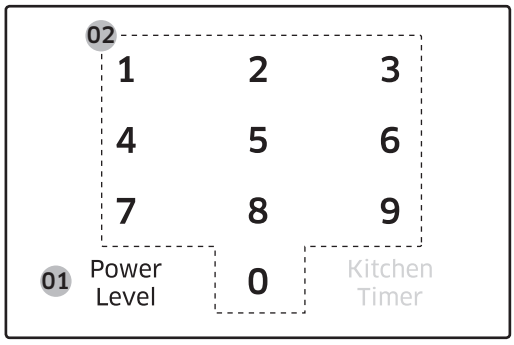
Power level

Select cooking time then choose power level before press start button.
You can change the heating intensity according to the cooking recipe or to your preference.



1. Press **Power Level**.
2. Use the number buttons to select a specific power level. Available levels range from No power (0) to High (10). See the table below.

0	PL:0	No power
1	PL:10	Warm
2	PL:20	Defrost
3	PL:30	Low
4	PL:40	Medium low
5	PL:50	Medium
6	PL:60	Simmer
7	PL:70	Medium high
8	PL:80	Reheat
9	PL:90	Sauté
10	PL:Hi	High

NOTE

To check the current power level while cooking is in process, press **Power Level**.

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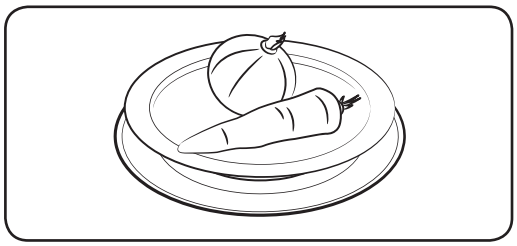
Operations

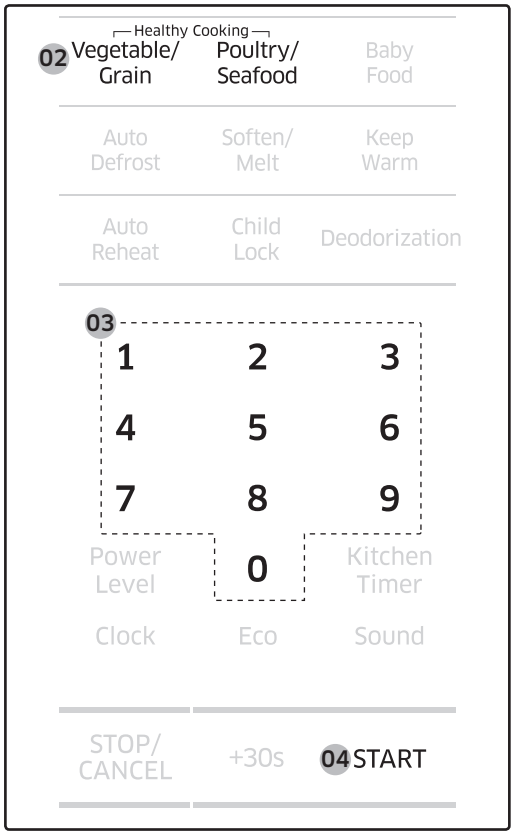
Auto mode

Healthy Cooking

For healthier alternatives, the oven offers a total of 16 Healthy Cook programmes in 2 different categories. Take advantage of this feature to save you time or shorten your learning curve. The cooking time and temperature will be adjusted according to the selected recipe.



1. Put food in a microwave-safe container and then in the centre of the turntable.



2. Select a category by pressing either **Vegetable/Grain** or **Poultry/Seafood**.
3. Use the selected button again or the number buttons to select a specific programme.
4. Press **START**.
5. When cooking is complete with a beep 4 times, use oven gloves to take out the food.

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Healthy Cooking guide

The following table presents auto programmes for cooking, roasting, and baking. The table contains food quantities, weight ranges, and appropriate recommendations. Cooking modes and times have been pre-programmed for your convenience.

1. Vegetable/Grain

Code	Food	Serving Size (g)	Instructions
1	Broccoli	250	Rinse and clean fresh broccoli and prepare florets. Put them evenly into a glass bowl with lid. Add 30 ml (2 tbsp) water. Put bowl in the centre of turntable. Cook covered. Stir after cooking. Stand for 1-2 minutes.
2	Carrots	250	Rinse and clean carrots and prepare even slices. Put them evenly into a glass bowl with lid. Add 30 ml (2 tbsp) water. Put bowl in the centre of turntable. Cook covered. Stir after cooking. Stand for 1-2 minutes.
3	Green Beans	250	Rinse and clean green beans. Put them evenly into a glass bowl with lid. Add 30 ml (2 tbsp) water. Put bowl in the centre of turntable. Cook covered. Stir after cooking Stand for 1-2 minutes.
4	Spinach	150	Rinse and clean spinach. Put into a glass bowl with lid. Do not add water. Put bowl in the centre of turntable. Cook covered. Stir after cooking. Stand for 1-2 minutes.
5	Corn on the Cob	500	Rinse and clean corn on the cobs and put into an oval glass dish. Cover with microwave cling film and pierce film. Stand for 1-2 minutes.
6	Peeled Potatoes	250	Wash and peel the potatoes and cut into a similar size. Put them into a glass bowl with lid. Add 45-60 ml (3-4 tbsp) water. Put bowl in the centre of turntable. Cook covered. Stand for 2-3 minutes.

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Code	Food	Serving Size (g)	Instructions
7	Brown Rice	250	Use a large glass ovenware dish with lid. Add double quantity of cold water (500 ml). Cook covered. Stir before standing time and add salt and herbs. Stand for 5-10 minutes.
8	Wholemeal Macaroni	250	Use a large glass ovenware dish with lid. Add 1 L hot boiling water, a pinch of salt and stir well. Cook covered. Stir before standing time and drain thoroughly afterwards. Stand for 1 minutes.
9	Quinoa	250	Use a large glass ovenware dish with lid. Add double quantity of cold water (500 ml). Cook covered. Stir before standing time and add salt and herbs. Stand for 1-3 minutes.
10	Bulgur	250	Use a large glass ovenware dish with lid. Add double quantity of cold water (500 ml). Cook covered. Stir before standing time and add salt and herbs. Stand for 2-5 minutes.

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2. Poultry/Seafood

Code	Food	Serving Size (g)	Instructions
1	Chicken Breasts	300	Rinse pieces and put on a ceramic plate. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 2 minutes.
2	Turkey Breasts	300	Rinse pieces and put on a ceramic plate. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 2 minutes.
3	Fresh Fish Fillets	300	Rinse fish fillets and put on a ceramic plate, add 1 tbsp lemon juice. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 1-2 minutes.
4	Fresh Salmon Fillets	300	Rinse fish fillets and put on a ceramic plate, add 1 tbsp lemon juice. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 1-2 minutes.
5	Fresh Prawns	250	Rinse prawns fillets and put on a ceramic plate, add 1 tbsp lemon juice. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 1-2 minutes.
6	Fresh Trout	400	Put 1-2 fresh whole fish into an ovenproof dish. Add a pinch salt, 1 tbsp lemon juice and herbs. Cover with microwave cling film. Pierce the film. Put dish on turntable. Stand for 2 minutes.

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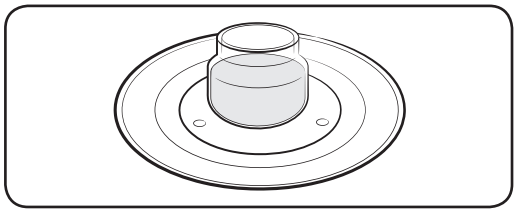
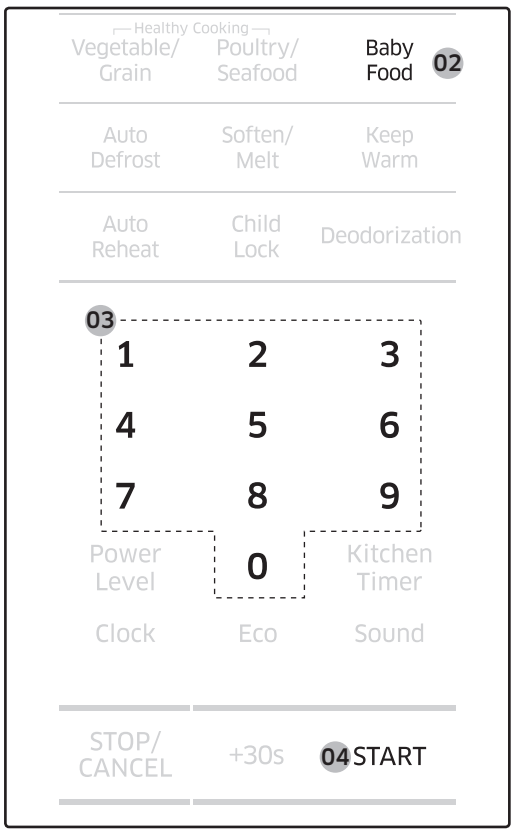
Operations

Baby Food

Baby Food is designed to prepare food for babies who need to receive special care by their parents or guardians.



1. Put baby food in the centre of the turntable.



2. Press **Baby Food**.
3. Use the Baby Food or number buttons to select a specific programme.
4. Press **START**.
5. When cooking is complete with a beep 4 times, use oven gloves to take out the food.
6. Wait until the food cools down to room temperature while stirring well.

⚠ CAUTION

Before inserting food in the oven, remove any metal or plastic cover or lid from the food.

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Baby food guide

Code	Food	Serving Size (g)	Instructions
1	Baby Food	70	Remove metal top from room temperature jars of baby food. Remove plastic lid and metal lid from cups of baby food replace lid, discarding metal lid. Place jar cup in center of turntable and microwave on high power until temperature is reached. Stir well. Serve.
2	Baby Food	110	
3	Baby Food	170	

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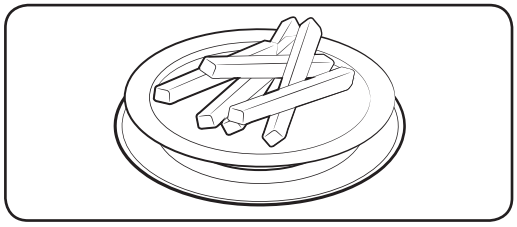
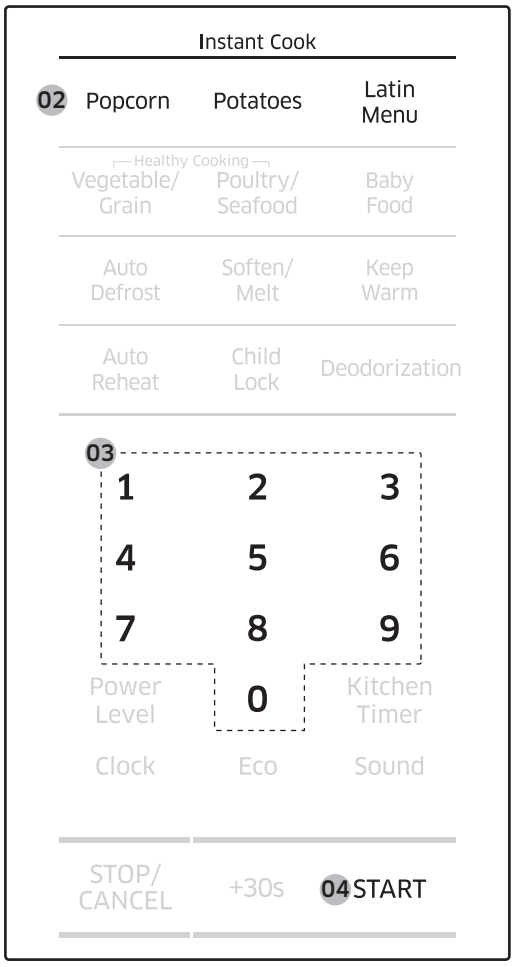
Operations

Instant Cook

For inexperienced cooks, the oven offers a total of 26 Instant Cook programmes in 3 different categories. Take advantage of this feature to save you time or shorten your learning curve. The cooking time and temperature will be adjusted according to the selected recipe.



1. Put food in a microwave-safe container and then in the centre of the turntable.



2. Select a category by pressing either **Popcorn**, **Potatoes**, or **Latin Menu**.
3. Use the selected button again or the number buttons to select a specific programme.
4. Press **START**.
5. When cooking is complete with a beep 4 times, use oven gloves to take out the food.

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Instant cook guide

The following table presents auto programmes for cooking, roasting, and baking. The table contains food quantities, weight ranges, and appropriate recommendations. Cooking modes and times have been pre-programmed for your convenience.

Popcorn

Code	Food	Serving Size	Instructions
1	Popcorn	3 (85 g)	Use only one microwave popcorn bag at a time. Be careful when removing the heated bag from the oven and opening it.
2	Popcorn	3.5 (100 g)	

Potatoes

Code	Food	Serving Size	Instructions
1	Potatoes	1 pc	Pierce each potato several times with a fork. Place on the turntable in a spoke-like fashion. After cooking, let the potatoes stand for 3-5 minutes.
2	Potatoes	2 pcs	
3	Potatoes	3 pcs	
4	Potatoes	4 pcs	
5	Potatoes	5 pcs	
6	Potatoes	6 pcs	

Latin Menu

Code	Food	Serving Size	Instructions
1	Bacon	2 slices	On a microwave-safe plate or Pyrex dish, place bacon on an absorbent kitchen towel and cover with another piece of kitchen towel and cook. After cooking, let stand for 1 minute.
2	Bacon	4 slices	
3	Bacon	6 slices	
4	Frozen Chicken Wings	170-200 g	Use precooked, frozen chicken wings. Place the chicken wings around the plate in a spoke-like fashion and cover with wax paper. Let stand for 1 to 2 minutes.
5	Frozen Chicken Wings	230-260 g	

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Code	Food	Serving Size	Instructions
6	Frozen Chicken Nuggets	110-140 g	Place a paper towel on a plate and arrange the nuggets in a spoke-like fashion on the paper towel. Do not cover. Let stand for 1 minute after heating.
7	Frozen Chicken Nuggets	170-200 g	
8	Frozen French Fries	110-140 g	Place two paper towels on a microwavesafe plate and arrange the French fries on the towels without letting them overlap. Blot the fries with additional paper towels after removing from the oven. Let stand for 1 minute.
9	Frozen French Fries	170-200 g	
10	Frozen Cheese Sticks	5-6 pcs	Place the cheese sticks on a plate in a spokelike fashion. Do not cover. Let stand for 1 to 2 minutes after heating.
11	Frozen Cheese Sticks	7-10 pcs	
12	Pizza Reheat	1 slice	Place pizza slices on a microwave-safe plate with the wide ends of the slices towards the outside edge of the plate. Do not let the slices overlap. Do not cover.
13	Pizza Reheat	2 slices	
14	Pizza Reheat	3 slices	
15	Pizza Reheat	4 slices	
16	Beverage	½ cup	Use a measuring cup or mug and do not cover. Place the beverage in the oven. After heating, stir well.
17	Beverage	1 cup	
18	Beverage	2 cups	

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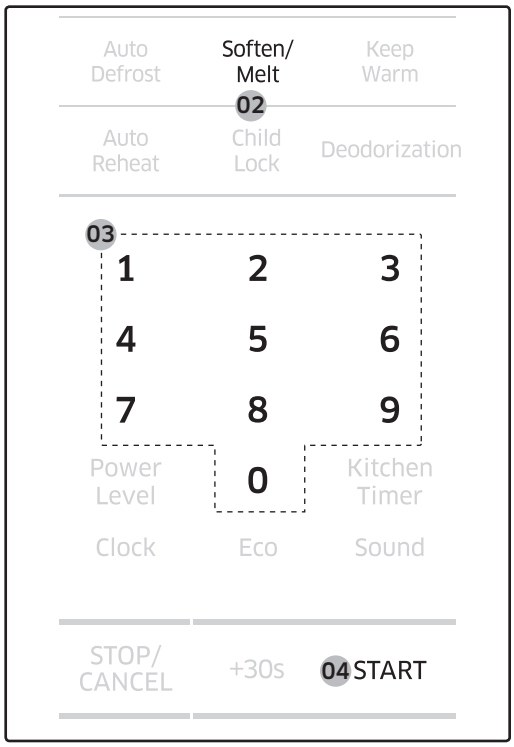
Convenience

Soften/Melt

This is useful to soften or melt soft food or confection such as butter, chocolate, and sugar.



1. Put food in the centre of the turntable.
2. Press **Soften/Melt**.
3. Use the Soften/Melt button again or the number buttons to select a specific programme.
4. Press **START**.
5. When the cycle is complete with a beep 4 times, use oven gloves to take out the food.

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Operations

Soften/Melt guide

The following table presents auto programmes for softening or melting specific kinds of food. The table contains food quantities, weight ranges, and appropriate recommendations.

Code	Food	Serving Size (g)	Instructions
1	Melt Butter	50	Cut butter into 3 or 4 pieces and Put them on small glass bowl. Melt uncovered. Stir after cooking. Stand for 1-2 minutes.
2	Melt Butter	100	
3	Melt Dark Chocolate	50	Grate dark chocolate and put in small glass bowl. Melt uncovered. Stir after melting. Stand for 1-2 minutes.
4	Melt Dark Chocolate	100	
5	Melt Sugar	25	Put sugar on small glass bowl. Add 10 ml water for 25 g and add 20 ml water for 50 g. Melt uncovered. Take out carefully, use oven gloves! Use spoon or fork and pour caramel decorations on baking paper. Let stand for 10 minutes until dry and remove from paper.
6	Melt Sugar	50	
7	Soften Butter	50	Cut butter into 3 or 4 pieces and Put them in small glass bowl. Soften uncovered. Stand for 1-2 minutes.
8	Soften Butter	100	

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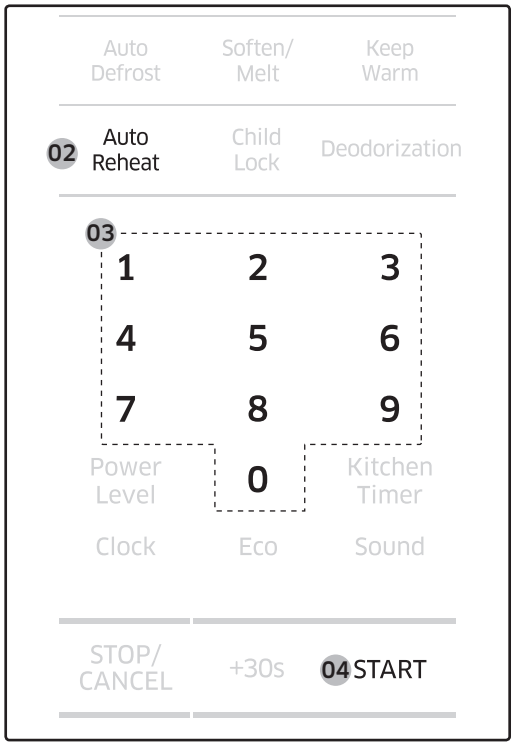
Auto Reheat

Use Auto Reheat to warm up food leftovers or precooked food. The operating time and power level will be set according to the selected programme.



1. Put food in the centre of the turntable and close the door.
2. Press **Auto Reheat**.
3. Use the Auto Reheat button again or the number buttons to select a specific programme.
4. Press **START**.
5. When the cycle is complete with a beep 4 times, use oven gloves to take out the food.

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Operations

Auto Reheat guide

The following table presents auto programmes for reheating food. The table contains food quantities, weight ranges, and appropriate recommendations.

Code	Food	Serving Size (g)	Instructions
1	Plate of Food	1 serving	Use only precooked, refrigerated foods. Cover the plate with vented plastic wrap or waxed paper tucked under the plate. Contents: 90-110 g meat, poultry or fish (up to 170 g with bone)½ cup starch (potatoes, pasta, rice, etc.)½ cup vegetables (about 90-110 g)
2	Casserole	1 serving 200-230	Cover the plate with a lid or vented plastic wrap. Stir the food once before serving. 2 Contents: Casserole, refrigerated foods.
3	Casserole	2 servings 400-450	
4	Casserole	3 servings 600-690	
5	Casserole	4 servings 800-920	
6	Pasta/Soup	1 serving 200-230	
7	Pasta/Soup	2 servings 400-450	
8	Pasta/Soup	3 servings 600-690	
9	Pasta/Soup	4 servings 800-920	

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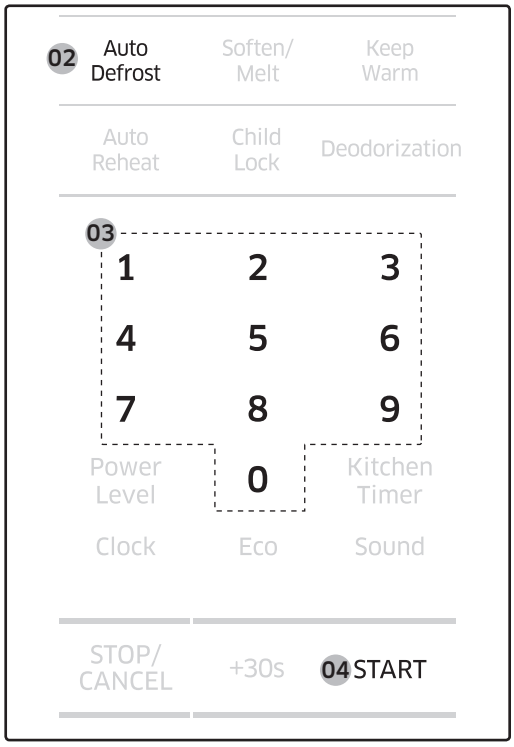
Auto Defrost

This is useful to defrost frozen meat, poultry, fish, or bread. The operating time and power level will be adjusted according to the selected programme.



1. Put food in the centre of the turntable and close the door.
2. Press **Auto Defrost** to select category.
3. Use the number buttons to select a weight.
4. Press **START**.
5. When the cycle is complete with a beep 4 times, use oven gloves to take out the food.

NOTE

- The oven beeps in the middle of the cycle to remind you to turn the food over. Turn the food over, and press Start again to continue. When the cycle is complete, the oven beeps 4 times.
- You can defrost food manually. To do this, use a cooking mode with just 20 % of the default power level of the cooking mode. For more information, see the Power level section.

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Operations

Auto Defrost guide

The following table presents auto programmes for defrosting food. The table contains food quantities, weight ranges, and appropriate recommendations.

Code	Food	Serving Size (kg)	Instructions
1	Meat	0.1-1.5	Shield the edges with aluminium foil. Turn the meat over, when the oven beeps. This programme is suitable for beef,lamb, pork, steaks, chops, minced meat. Stand for 10-30 minutes.
2	Poultry	0.1-1.5	This program is suitable for whole chicken as well as for chicken pieces. Before defrosting, if a lot of ice crystals are present on poultry surface, it should be rinsed under cold water until all the ice crystals are removed. The poultry should then be left to stand for 5 to 10 min. at room temperature. Shield the leg and wing tips with aluminum foil. Place chicken pieces skin-side down, and whole chicken breast-side down on the middle of a flat microwave-safe plate. Turn the poultry over when the oven beeps
3	Fish	0.1-1.5	Shield the tail of a whole fish with aluminium foil. Turn the fish over, when the oven beeps. This programme is suitable for whole fishes as well as for fish fillets. Stand for 10-30 minutes.
4	Bread	0.1-1.0	Put bread on a piece of kitchen paper and turn over, as soon as the oven beeps. Place cake on a ceramic plate and if possible, turn over, as soon as the oven beeps. (Oven keeps operating and is stopped, when you open the door.) This programme is suitable for all kinds of bread, sliced or whole, as well as for bread rolls and baguettes. Arrange bread rolls in a circle. This programme is suitable for all kinds of yeast cake, biscuit, cheese cake and puff pastry. It is not suitable for short/crust pastry, fruit and cream cakes as well as for cake with chocolate topping. Stand for 5-30 minutes.

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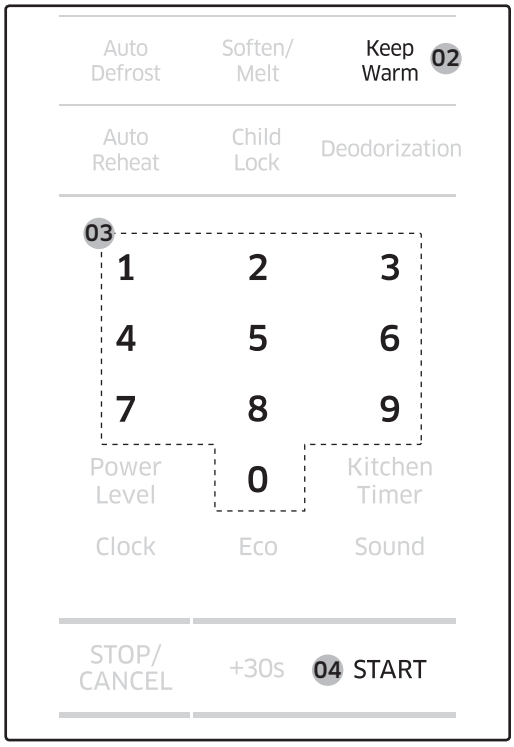
Keep Warm

If you want to keep cooked foods warm until serving, use this function. The operating time and power level will be adjusted according to the selected programme.



1. Put food in the centre of the turntable and close the door.
2. Press **Keep Warm**. The default time is 99 minutes.
3. Use the number buttons to set the warming time (max: 99 min 99 sec.).
4. Press **START**.
5. When the cycle is complete with a beep 4 times, use oven gloves to take out the food.

⚠ CAUTION

- Do not use this function to reheat cold foods. Use this only for keeping food warm that has just been cooked.
- Do not keep food for more than 1 hour. The food surface may be dried.
- Do not put food covered with lids or plastic wrap in the oven.

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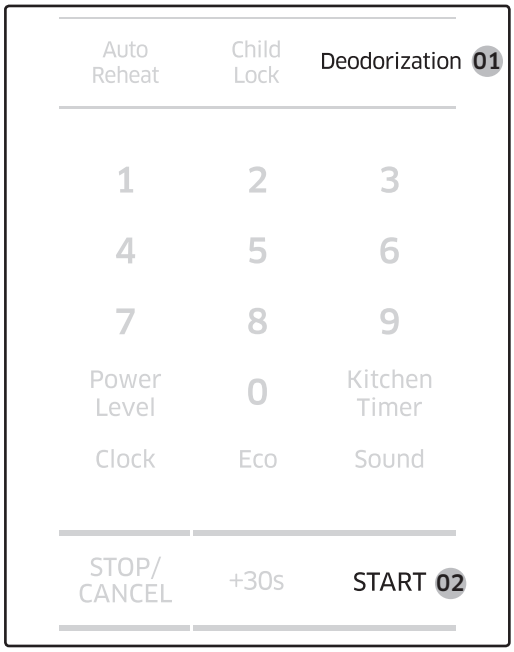
Operations

Deodorization



Deodorization helps remove bad smells from inside the oven after cooking. The default time is 5 minutes.

- To activate, press **Deodorization** and then **START** on the feature panel.
- To change the time, press **+30s** to increase by 30 seconds (max: 15 min).

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Cooking Smart

We provide these cooking guides to help you make the most out of this oven. Experience our cooking know-how to add convenience and richness to your life.

Microwave cooking guide

- Cover the food throughout the entire cooking. The vaporised moisture from the food circles through inside and helps cook evenly.
- When cooking is complete, let stand for the specified time. This allows the food to even out inside.
- Use only microwave-safe cookware.

Frozen vegetables

- Use a suitable glass Pyrex container with a lid.
- Stir twice during cooking and once after cooking, and then add seasoning to your preference.

Food	Serving Size (g)	Power	Time (min.)
Spinach	150	60 %	5-6
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Broccoli	300	60 %	8-9
	Add 30 ml (2 tbsp) cold water. Stand for 2-3 minutes.		
Peas	300	60 %	7-8
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Green Beans	300	60 %	7½-8½
	Add 30 ml (2 tbsp) cold water. Stand for 2-3 minutes.		
Mixed Vegetables (Carrots/Peas/Corn)	300	60 %	7-8
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Mixed Vegetables (Chinese style)	300	60 %	7½-8½
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		

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Cooking Smart

Fresh vegetables

- Use a suitable glass Pyrex container with a lid.
- Cut ingredients into as small pieces as possible to reduce the cooking time.
- Add 30-45 ml of cold water to every 250 g unless otherwise specified.
- Stir once during cooking and once after cooking, and then add seasoning to your preference.

Food	Serving Size (g)	Power	Time (min.)
Broccoli	250 500	90 %	4½-5 7-8
	Prepare even sized florets. Arrange the stems to the centre. Stand for 3 minutes.		
Brussels Sprouts	250	90 %	6-6½
	Add 60-75 ml (4-5 tbsp) water. Stand for 3 minutes.		
Carrots	250	90 %	4½-5
	Cut carrots into even sized slices. Stand for 3 minutes.		
Cauliflower	250 500	90 %	5-5½ 7½-8½
	Prepare even sized florets. Cut big florets into halves. Arrange stems to the centre. Stand for 3 minutes.		
Courgettes	250	90 %	4-4½
	Cut courgettes into slices. Add 30 ml (2 tbsp) water or a knob of butter. Cook until just tender. Stand for 3 minutes.		
Eggplant	250	90 %	3½-4
	Cut eggplants into small slices and sprinkle with 1 tbsp lemon juice. Stand for 3 minutes.		
Leeks	250	90 %	4-4½
	Cut leeks into thick slices. Stand for 3 minutes.		
Mushrooms	125 250	90 %	1½-2 2½-3
	Prepare small whole or sliced mushrooms. Do not add any water. Sprinkle with lemon juice. Spice with salt and pepper. Drain before serving. Stand for 3 minutes.		

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Food	Serving Size (g)	Power	Time (min.)
Onions	250	90 %	5-5½
	Cut onions into slices or halves. Add only 15 ml (1 tbsp) water. Stand for 3 minutes.		
Pepper	250	90 %	4½-5
	Cut pepper into small slices. Stand for 3 minutes.		
Potatoes	250 500	90 %	4-5 7-8
	Weigh the peeled potatoes and cut them into similar sized halves or quarters. Stand for 3 minutes.		
Turnip Cabbage	250	90 %	5½-6
	Cut turnip cabbage into small cubes. Stand for 3 minutes.		

Rice and pasta

Rice

- Use a large-sized glass Pyrex container with a lid. Note that rice doubles in volume during cooking.

Pasta

- Use a large-sized glass Pyrex container. Cook uncovered.
- Add boiling water and a little salt, and stir well. Stir several times during and after cooking.
- Cover with a lid while letting stand, and then drain well.

Food	Serving Size	Power	Time (min.)
White Rice (Parboiled)	250 g 375 g	90 %	15-16 17½-18½
	Add 500 ml cold water.(250 g), Add 750 ml cold water. (375 g) Stand for 5 minutes.		
Brown Rice (Parboiled)	250 g 375 g	90 %	20-21 22-23
	Add 500 ml cold water.(250 g), Add 750 ml cold water.(375 g) Stand for 5 minutes.		
Mixed Rice (Rice + Wild Rice)	250 g	90 %	16-17
	Add 500 ml cold water. Stand for 5 minutes.		

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Cooking Smart

Food	Serving Size	Power	Time (min.)
Mixed Corn (Rice + Grain)	250 g	90 %	17-18
	Add 400 ml cold water. Stand for 5 minutes.		
Pasta	250 g	90 %	10-11
	Add 1000 ml hot water. Stand for 5 minutes.		

Reheating guide

General

This reheating guide is based on the condition that the room temperature is between 18 °C and 20 °C for liquid, and between 5 °C and 7 °C for chilled food. Follow the operating time, power level, and standing time specified in this table.

Food	Serving Size (g)	Power	Time (min.)
Drinks (Coffee, Tea and Water)	150 ml (1 cup) 300 ml (2 cups) 450 ml (3 cups) 600 ml (4 cups)	90 %	1-1½ 2-2½ 3-3½ 3½-4
	Pour into cups and reheat uncovered: 1 cup in the centre, 2 cups opposite of each other, 3 cups in a circle. Keep in microwave oven during standing time and stir well. Stand for 1-2 minutes.		
Soup (Chilled)	250 g 350 g 450 g 550 g	90 %	2½-3 3-3½ 3½-4 4½-5
	Pour into a deep ceramic plate or deep ceramic bowl. Cover with plastic lid. Stir well after reheating. Stir again before serving. Stand for 2-3 minutes.		
Stew (Chilled)	350	60 %	4½-5½
	Put stew in a deep ceramic plate. Cover with plastic lid. Stir occasionally during reheating and again before standing and serving. Stand for 2-3 minutes.		

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Food	Serving Size (g)	Power	Time (min.)
Pasta with Sauce (Chilled)	350	60 %	3½-4½
	Put pasta (e.g. spaghetti or egg noodles) on a flat ceramic plate. Cover with microwave cling film. Stir before serving. Stand for 3 minutes.		
Filled Pasta with Sauce (Chilled)	350	60 %	4-5
	Put filled pasta (e.g. ravioli, tortellini) in a deep ceramic plate. Cover with plastic lid. Stir occasionally during reheating and again before standing and serving. Stand for 3 minutes.		
Plated Meal (Chilled)	350 450	60 %	4½-5 5½-6½
	Plate a meal of 2-3 chilled components on a ceramic dish. Cover with microwave cling-film. Stand for 3 minutes.		
Cheese Fondue Ready-to- Serve (Chilled)	400	60 %	6-7
	Put the ready-to-serve cheese fondue in a suitable sized glass pyrex bowl with lid. Stir occasionally during and after reheating. Stir well before serving. Stand for 1-2 minutes.		

Special care for baby food

To prevent accidents such as burns, special care must be taken for baby food before serving. Make sure to strictly follow this reheating guide for baby food.

Baby food

- Use a deep ceramic plate and cover it with a plastic lid.
- Recommended serving temperature is 30-40 °C.

Baby milk

- Use a sterilised glass bottle and reheat it uncovered.
- Remove the teat before reheating. Otherwise, the milk in the bottle boils over.

Food	Serving Size	Power	Time (sec.)
Baby Food (Vegetables + Meat)	190 g	60 %	30
	Empty into ceramic deep plate. Cook covered. Stir after cooking time. Before serving, stir well and check the temperature carefully. Stand for 2-3 minutes.		

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Cooking Smart

Food	Serving Size	Power	Time (sec.)
Baby Porridge (Grain + Milk + Fruit)	190 g	60 %	20
	Empty into ceramic deep plate. Cook covered. Stir after cooking time. Before serving, stir well and check the temperature carefully. Stand for 2-3 minutes.		
Baby Milk	100 ml 200 ml	30 %	30-40 60-70
	Stir or shake well and pour into a sterilised glass bottle. Place into the centre of turn-table. Cook uncovered. Shake well and stand for at least 3 minutes. Before serving, shake well and check the temperature carefully.		

Defrosting guide

This defrosting guide is based on the condition that frozen food is between -18 °C and -20 °C in internal temperatures. The standing time varies depending on the food type (meat or vegetables) and serving size (thinner or thicker pieces of food).

- Put frozen food in a microwave-safe container uncovered.
- Turn it over halfway through defrosting time and drain well when complete.

Food		Serving Size	Power	Time (min.)
Meat	Minced Meat	250 g 500 g	20 %	6-7 8-13
	Pork Steaks	250 g		7-8
	Place the meat on turntable. Shield thinner edges with aluminium foil. Turn over after half of defrosting time! Stand for 15-30 minutes.			
Poultry	Chicken Pieces	500 g (2 pcs)	20 %	14-15
	Whole Chicken	1200 g		32-34
	First, put chicken pieces first skin-side down, whole chicken first breast-side-down on a flat ceramic plate. Shield the thinner parts like wings and ends with aluminium foil. Turn over after half of defrosting time! Stand for 15-60 minutes.			

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Food		Serving Size	Power	Time (min.)
Fish	Fish Fillets	200 g	20 %	6-7
	Whole Fish	400 g		11-13
	Put frozen fish in the middle of a flat ceramic plate. Arrange the thinner parts under the thicker parts. Shield narrow ends of fillets and tail of whole fish with aluminium foil. Turn over after half of defrosting time! Stand for 10-25 minutes.			
Fruits	Berries	300 g	20 %	6-7
	Spread fruit on a flat, round glass dish (with a large diameter). Stand for 5-10 minutes.			
Bread	Bread Rolls (Each ca. 50 g)	2 pcs 4 pcs	20 %	1-1½ 2½-3
	Toast/Sandwich	250 g		4-4½
	German Bread (Wheat + Rye Flour)	500 g		7 – 9
	Arrange rolls in a circle or bread horizontally on kitchen paper in the middle of turntable. Turn over after half of defrosting time! Stand for 5-20 minutes.			

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Cooking Smart

Quick & Easy

Melting crystallized honey

Put 20 g crystallized honey into a small deep glass dish.
Heat for 20-30 seconds using 30 %, until honey is melted.

Melting gelatine

Lay dry gelatine sheets (10 g) for 5 minutes into cold water.
Put drained gelatine into a small glass pyrex bowl.
Heat for 1 minute using 30 %.
Stir after melting.

Cooking glaze/icing (for cake and gateaux)

Mix instant glaze (approximately 14 g) with 40 g sugar and 250 ml cold water.
Cook uncovered in a glass pyrex bowl for 3½ to 4½ minutes using 90 %, until glaze/ icing is transparent. Stir twice during cooking.

Cooking jam

Put 600 g fruits (for example mixed berries) in a suitable sized glass pyrex bowl with lid. Add 300 g preserving sugar and stir well. Cook covered for 10-12 minutes using 90 %. Stir several times during cooking. Empty directly into small jam glasses with twist-off lids. Stand on lid for 5 minutes.

Cooking pudding/ custard

Mix pudding powder with sugar and milk (500 ml) by following the manufacturers instructions and stir well. Use a suitable sized glass pyrex bowl with lid. Cook covered for 6½ to 7½ minutes using 90 %. Stir several times well during cooking.

Browning almond slices

Spread 30 g sliced almonds evenly on a medium sized ceramic plate.
Stir several times during browning for 3½ to 4½ minutes using 60 %.
Let it stand for 2-3 minutes in the oven. Use oven gloves while taking out!

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Troubleshooting

You may encounter a problem using the oven. In that case, first check the table below and try the suggestions. If a problem persists, or if any information code keeps appearing on the display, contact a local Samsung service centre.

Checkpoints

If you encounter a problem with the oven, first check the table below and try the suggestions.

Problem	Cause	Action
General		
The buttons cannot be pressed properly.	Foreign matter may be caught between the buttons.	Remove the foreign matter and try again.
	For touch models: Moisture is on the exterior.	Wipe the moisture from the exterior.
	Child lock is activated.	Deactivate Child lock.
The time is not displayed.	Power is not supplied.	Make sure power is supplied.
	The Eco (power-saving) function is set.	Turn off the Eco function.
The oven does not work.	Power is not supplied.	Make sure power is supplied.
	The door is open.	Close the door and try again.
	The door open safety mechanisms are covered in foreign matter.	Remove the foreign matter and try again.
The oven stops while in operation.	The user has opened the door to turn food over.	After turning over the food, press the Start button again to start operation.

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Troubleshooting

Problem	Cause	Action
The power turns off during operation.	The oven has been cooking for an extended period of time.	After cooking for an extended period of time, let the oven cool.
	The cooling fan is not working.	Listen for the sound of the cooling fan.
	Trying to operate the oven without food inside.	Put food in the oven.
	There is not sufficient ventilation space for the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Keep the gaps specified in the product installation guide.
	Several power plugs are being used in the same socket.	Designate only one socket to be used for the oven.
There is no power to the oven.	Power is not supplied.	Make sure power is supplied.
There is a popping sound during operation, and the oven doesn't work.	Cooking sealed food or using a container with a lid may causes popping sounds.	Do not use sealed containers as they may burst during cooking due to expansion of the contents.
The oven exterior is too hot during operation.	There is not sufficient ventilation space for the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Keep the gaps specified in the product installation guide.
	Objects are on top of the oven.	Remove all objects on the top of the oven.
The door cannot be opened properly.	Food residue is stuck between the door and oven interior.	Clean the oven and then open the door.

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Problem	Cause	Action
The oven does not heat.	The oven may not work, too much food is being cooked, or improper cookware is being used.	Put one cup of water in a microwave-safe container and run the microwave for 1-2 minutes to check whether the water is heated. Reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
Heating is weak or slow.	The oven may not work, too much food is being cooked, or improper cookware is being used.	Put one cup of water in a microwave-safe container and run the microwave for 1-2 minutes to check whether the water is heated. Reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
The warm function does not work.	The oven may not work, too much food is being cooked, or improper cookware is being used.	Put one cup of water in a microwave-safe container and run the microwave for 1-2 minutes to check whether the water is heated. Reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
The thaw function does not work.	The oven may not work, too much food is being cooked, or improper cookware is being used.	Put one cup of water in a microwave-safe container and run the microwave for 1-2 minutes to check whether the water is heated. Reduce the amount of food and start the function again. Use a cooking container with a flat bottom.

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Troubleshooting

Problem	Cause	Action
The interior light is dim or does not turn on.	The door has been left open for a long time.	The interior light may automatically turn off when the Eco function operates. Close and reopen the door or press the "**Cancel**" button.
	The interior light is covered by foreign matter.	Clean the inside of the oven and check again.
A beeping sound occurs during cooking.	If the Auto Cook function is being used, this beeping sound means it's time to turn over the food during thawing.	After turning over the food, press the **Start** button again to restart operation.
The oven is not level.	The oven is installed on an uneven surface.	Make sure the oven is installed on flat, stable surface.
There are sparks during cooking.	Metal containers are used during the oven/thawing functions.	Do not use metal containers.
When power is connected, the oven immediately starts to work.	The door is not properly closed.	Close the door and check again.
There is electricity coming from the oven.	The power or power socket is not properly grounded.	Make sure the power and power socket are properly grounded.
There is water dripping.	There may be water or steam in some cases depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
Steam leaks from the door.	There may be water or steam in some cases depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
There is water left in the oven.	There may be water or steam in some cases depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.

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Problem	Cause	Action
The brightness inside the oven varies.	Brightness changes depending on power output changes according to function.	Power output changes during cooking are not malfunctions. This is not an oven malfunction.
Cooking is finished, but the cooling fan is still running.	To ventilate the oven, the cooling fan continues to run for about 5 minutes after cooking is complete.	This is not an oven malfunction.
Pressing the +30sec button operates the oven.	This happens when the oven was not operating.	The microwave oven is designed to operate by pressing the +30 sec button when it was not operating.
Turntable		
While turning, the turntable comes out of place or stops turning.	There is no roller ring, or the roller ring is not properly in place.	Install the roller ring and then try again.
The turn table drags while turning.	The roller ring is not properly in place, there is too much food, or the container is too large and touches the inside of the microwave.	Adjust the amount of food and do not use containers that are too large.
The turn table rattles while turning and is noisy.	Food residue is stuck to the bottom of the oven.	Remove any food residue stuck to the bottom of the oven.

NOTE

If the above guidelines do not enable you to solve the problem, then contact your local SAMSUNG customer service centre.

Please have the following information read;

- The model and serial numbers, normally printed on the rear of the oven
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG aftersales service.

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Troubleshooting

Information code

Code	Description	Action
C-d0	Control buttons are pressed over 10 seconds.	Clean the keys and check if there is water on the surface around key. If it occurs again, turn off the microwave oven over 30 seconds and try setting again. If it appears again, call your local SAMSUNG Customer Care Centre.

NOTE

If the suggested solution does not solve the problem, contact your local SAMSUNG Customer Care Centre.

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Technical specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Model		MS32J5133B**	MS40J5133CT
Power Source		120 V ~ 60 Hz	
Power Consumption		1600 W	
Output Power		100 W / 1000 W (IEC - 705)	
Operating Frequency		2450 MHz	
Magnetron		OM75P (31)	
Cooling Method		Cooling fan motor	
Dimensions (W x H x D)	Main unit	517 x 297 x 384 mm	555 x 313 x 473 mm
	Cooking chamber	357 x 255 x 357 mm	375 x 249 x 408 mm
Volume		1.1 cu.ft	1.4 cu.ft
Weight	Net	14.5 kg	17 kg

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Warranty and service information

To help us better serve you, please complete the enclosed registration card and promptly return it by mail. If the registration card is missing, you can call Samsung Electronics.

Latin America-Panama, at 800-7267, 800-0101, or register online www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
Colombia, at Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726), or register online www.samsung.com/co/support
Mexico, at 01-800-SAMSUNG (726-7864), or register online www.samsung.com/mx/support

When contacting Samsung, please provide the specific model and serial number information which is usually located on the side or back of the product. Please record these numbers below, along with the other requested information. Keep this information in a safe place as a permanent record of your purchase to aid in identification in case of theft or loss, and a copy of your sales receipt as a proof of purchase if warranty service is needed.

Model Number _____

Serial Number _____

Date Purchased _____

Purchased From _____

Warranty service can only be performed by a Samsung Authorized Service Center. If you should require warranty service, provide the above information with a copy of your sales receipt to the Samsung Authorized Service Center.

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Memo

Please be advised that the Samsung warranty does NOT cover service calls to explain product operation, correct improper installation, or perform normal cleaning or maintenance.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx/support
ARGENTINE	0800-555-SAMSUNG (0800-555-7267)	www.samsung.com/ar/support
URUGUAY	000-405-437-33	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
PARAGUAY	009-800-542-0001	
BRAZIL	0800-124-421 (Demais cidades e regiões) 4004-0000 (Capitais e grandes centros)	www.samsung.com/br/support
CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl/support
BOLIVIA	800-10-7260	www.samsung.com/cl/support
COLOMBIA	Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726)	www.samsung.com/co/support
COSTA RICA	0-800-507-7267 00-800-1-SAMSUNG (726-7864)	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
DOMINICAN REPUBLIC	1-800-751-2676	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
ECUADOR	1-800-10-7267 1-800-SAMSUNG (72-6786)	
EL SALVADOR	800-6225 800-0726-7864	
GUATEMALA	1-800-299-0013 1-800-299-0033	
HONDURAS	800-2791-9267 800-2791-9111	
JAMAICA	1-800-234-7267 1-800-SAMSUNG (726-7864)	www.samsung.com/latin/support
NICARAGUA	001-800-5077267	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
PANAMA	800-7267 800-0101	
PERU	0800-777-08	www.samsung.com/pe/support
PUERTO RICO	1-800-682-3180	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	
VENEZUELA	0-800-SAMSUNG (726-7864)	www.samsung.com/ve/support

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